

Perception of health-care workers in providing health care in the emergency department green zone at Hospital Tengku Ampuan Rahimah, Klang





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Introduction

Emergency department (ED) offers urgent medical care for a variety of diseases and injuries, some of which may be life-threatening and demand quick attention

The ED is frequently mentioned as the most congested department, which causes an overload burden on healthcare workers (HCWs) worldwide.

Generally, ED is considered the gateway to the hospital, since it offers immediate care to patients.

In Malaysia, government hospitals must provide pre-hospital services and hospital-based services for the community which includes triage service (Emergency Medicine and Trauma Services Policy Malaysia, 2012).

Patients will triage into red, yellow and green zones according to priority of treatment. Red zone is known as critical zone, yellow zone as semi-critical zone and green zone as non-critical zone.

Over the past few years, post COVID-19 pandemic, there have been a steady upward trend in the total ED utilization in Selangor State; utilization of the green zone was considered the highest (Ministry of Health Malaysia, 2023).

High ED utilization is a worrying fact and could explain the current condition in ED such as overcrowding (Cunningham, 2011) and longer patient waiting time (Butun et al., 2022).

Objective

To explore the health-care workers' (HCWs) perception related to overcrowding and long waiting hours to get treatment in the ED green zone HTAR.



Methodology

Qualitative study of content analysis Semi structured face-to-face in-depth interviews (IDI)

Purposive Sampling

II HCWs from HTAR from various designations from ED to include a range of health care providing experiences.

Semi-structured questionnaire

- * Medical Research Ethics Approval (MREC)
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Results

THEME 1: Insufficient

among public

Lack of knowledge about functions of ED and the zones available Some of the public not aware of the cases should be treated in the ED

Lack of knowledge about facilities available at nearby Klinik Kesihatan

THEME 2:

'One-stop

Green zone ED often referred as 'one-stop centre' due to the comprehensive treatment provided which includes screening, blood tosting and specialist availabilities.

Having a greater trust in the ED services and staff because of the availability of resources and staff expertise

Preferred to use ED instead of going to private clinics or Klinik Kesihatan (KK) due to the perception that ED staff possessed more skills compared to a perceived lack of skills among KK HWCs and general practitioners (QPs).

Availability of more resources in ED settings compared to KK or private clinics

Visiting the ED is more convenient and comfortable than using other healthcare services



THEME 3:

Lack of staff in

The number of staffs present at ED green zone is not enough to cover the overall work load.

THEME 4

Post-pandemic, most patients either missed or skipped their general appointments, which led to sorious health complications. The screening and treatment of these patients at the ED green zone will be longer than usual hours.

Present with more than two health conditions are considered as 'complex diseases', which may take longer hours of investigation. Furthermore, certain complex diseases must be evaluated by a specialist, and this will take longer than usual.

Certain blood test results or imaging results take a long time



Management issues

Human resources: Lack of staff in other departments which are interdependent in the process of treating patients in the ED

Work culture: There is a lack of cooperation between departments

Work process: For non-emergency cases, referrals from KK or private clinics are usually directed to the ED and not to the respective departments

Facilities: ED lacks the necessary facilities and equipment, and if equipment malfunctions, there is no backup equipment available

System problem:
Due to the manual clerking system, if there is a system down in
the lab, ED will be used as a reference point to make an initial
investigation if other departments lose the patient's records.

Conclusion

Perceptions of HWCs indicate that ED overcrowding is a complex issue that requires a system-based action plan.

Based on the findings, it can be concluded that it is crucial to empower public knowledge on function of ED, increase efforts to provide good working environment as well as address adequate staffing, facilities, and create pathway for collaboration with private clinics/hospitals to reduce treatment costs for non-urgent cases.

Recommendation

The following recommendation were suggested by the HCWs to address issues related to overcrowding and long waiting hours to get treatment in the ED green zone HTRF.

Enhance the comprehensive services at Klinik Kesihatan (KK) and intensify the promotion of the facilities available there

The efficiency of the triage counters at KK needs to be improved Increase number of staff and equipment in the ED

The general public should be educated on the functions of ED and the diseases that should be treated at ED MOH should collaborate with private clinics and hospitals to reduce the cost of treatment in private clinics and hospitals so that patients can be treated for non-urgent cases over there.

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